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|--|---|---|--------------------------|
| 1 | Application No. | Applicant(s) | 17 |
| Notice of Allowability | 09/773,188 | NGUYEN ET AL. | |
| | Examiner | Art Unit | |
| | Hau H Nguyen | 2676 | |
| The MAILING DATE of this communication All claims being allowable, PROSECUTION ON THE MERI herewith (or previously mailed), a Notice of Allowance (PTONOTICE OF ALLOWABILITY IS NOT A GRANT OF PATE of the Office or upon petition by the applicant. See 37 CFR | S IS (OR REMAINS) CLOSED L-85) or other appropriate comr NT RIGHTS. This application is | in this application. It not included nunication will be mailed in due co | urse. THÌS |
| 1. \boxtimes This communication is responsive to <u>10/15/2004</u> . | | | |
| 2. The allowed claim(s) is/are <u>1-18 and 20-30</u> . | | | |
| 3. 🗵 The drawings filed on <u>31 January 2001</u> are accepted | by the Examiner. | | |
| 4. Acknowledgment is made of a claim for foreign prior a) All b) Some* c) None of the: Certified copies of the priority documents Certified copies of the priority documents Copies of the certified copies of the priority International Bureau (PCT Rule 17.2(a)) * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING D'noted below. Failure to timely comply will result in ABANITHIS THREE-MONTH PERIOD IS NOT EXTENDABLE. A SUBSTITUTE OATH OR DECLARATION must be INFORMAL PATENT APPLICATION (PTO-152) while CORRECTED DRAWINGS (as "replacement sheets" (a) Including changes required by the Notice of Draft | s have been received. s have been received in Applicative documents have been received. ATE" of this communication to foonMENT of this application. submitted. Note the attached Ech gives reason(s) why the oath | tion No red in this national stage application file a reply complying with the requix XAMINER'S AMENDMENT or NO or declaration is deficient. | irements |
| hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Example. | | | |
| Paper No./Mail Date Identifying indicia such as the application number (see 37 each sheet. Replacement sheet(s) should be labeled as su | CFR 1.84(c)) should be written or ch in the header according to 37 | the drawings in the front (not the bCFR 1.121(d). | eack) of |
| 7. DEPOSIT OF and/or INFORMATION about the attached Examiner's comment regarding REQUIREM | deposit of BIOLOGICAL MA IENT FOR THE DEPOSIT OF E | TERIAL must be submitted. No BIOLOGICAL MATERIAL. | ote the |
| | | | |
| Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO 3. Information Disclosure Statements (PTO-1449 or PTO Paper No./Mail Date | .948) 6. Interview Paper NO/SB/08), 7. Examiner | Informal Patent Application (PTO- Summary (PTO-413), o./Mail Date 's Amendment/Comment | |
| 4. Examiner's Comment Regarding Requirement for De of Biological Material | oosit 8. ⊠ Examiner 9. ☐ Other | 's Statement of Reasons for Allow | /ance |
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Allowable Subject Matter

1. Claims 1-18, 20-30 are allowed.

Reasons for Allowance

2. The following is an examiner's statement of reasons for allowance:

The prior art taken singly or in combination does not teach or suggest, a method for managing a set of memory resources used to store texture objects, among other things, comprising:

responsive to the halting step, selectively removing stored texture objects in a second memory if an inability to allocate sufficient memory to the current texture object is present (claims 1, 15, 20, and 30).

calling a memory allocation unit to allocate memory to the current texture object after the stored texture object is removed (claim 11).

The closest prior art, reference Gannett (U.S. Patent No. 5,790,130) teaches a method of allocating memory for texture data including removing texture data that are not currently used in a shared system memory and its corresponding texture data in local memory based on the priority and history of use. Reference Sethi et al. (U.S. Patent No. 6,600,493) teaches a method for allocating memory for a request of graphics application wherein if there is not sufficient available graphics memory, a process allocates available portions of system memory to make up for the deficit amount of graphics memory.

However, references Garnett and Sethi et al. do not teach removal of a texture object from the second memory resource responsive to a halting step of repeated allocating and

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selective removal with respect to the first memory resource, and calling a memory allocation unit after a stored texture object is removed.

Conclusion

- 3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."
- 4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hau H. Nguyen whose telephone number is: 703-305-4104. The examiner can normally be reached on MON-FRI from 8:30-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew Bella can be reached on 703-308-6829.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D. C. 20231

or faxed to:

(703) 872-9314 (for Technology Center 2600 only)

Hand-delivered response should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth floor (Receptionist).

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

H. Nguyen

12/21/2004

MATTHEW C. BELLA SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2600

Marken C. Bella